

CONFIDENTIAL

WORK ORDER

TO

DATE 20 May 1958

25X1

ATTENTION:

SUBJECT: Work Order No. 3

Change No. _____

Contractor's No. RD-145, T.O. 2

DOB	<u>15</u>	REV DATE	<u>010580</u>	BY	<u>010956</u>
ORIG COMP	<u>035</u>	ST	<u>56</u>	TYPE	<u>02</u>
ORIG CLASS	<u>3</u>	PAGES	<u>3</u>	REV CLASS	<u>C</u>
JUST	<u>27</u>	ORIG REV	<u>2010</u>	DATE	<u>010956</u>

25X1

You are hereby authorized to proceed with the performance of the work outlined below, subject to the terms and provisions of our current contract.

WORK DESCRIPTION	QUANTITY	ESTIMATED COMPLETION DATE	FOB POINT
Fabricate Reference Oscillators in accordance with specification outlined on Work Attachment A.	30 each	19 Aug. 58	Customer's Premises

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Breakdown of Estimated Cost

TOTAL FUNDS AUTHORIZED TO DATE FOR WORK ORDER NO. <u>3</u>	\$ <u>11,629</u>
INCREASE OR DECREASE AUTHORIZED BY THIS CHANGE NO. _____	\$ <u>None</u>
NET TOTAL	\$ <u>11,629</u>

Nothing contained hereon may be altered nor may the total shown above be exceeded without prior authorization of the undersigned or his agent.

Charge Allotment

BY

25X1

No. _____

Requesting Officer

Please indicate acceptance by completing the portion below in duplicate and returning two copies of this order to the subscriber at the earliest practical date.

Acknowledgment and acceptance of Work Order No. 3, Change No. _____

BY

NOTICE

Date

Title

This material contains information affecting the national defense of the United States within the meaning of the espionage laws, Title 18, USC, Secs. 793 and 794, the transmission or revelation of which in any manner to an unauthorized person is prohibited by law.

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CONFIDENTIAL**WORK ATTACHMENT A****I Specifications****A. General**

This requirement demands a highly stable 1000 cycle reference oscillator. The units will be completely transistorized, and will use a precision tuning fork as the frequency determining element. The oscillators shall be battery operated by either a dry cell or a mercury cell and should have a feature to permit remote operation.

B. Specific**1. Electrical**

- a. Power Source: Z cell or RM-502R mercury cell.
- b. Battery polarity: None
- c. Output impedance: 2000 ohms
- d. Stability: 1 part in 10,000 over the specified temperature range.
- e. Output level: 35 mv (RMS) across 2,000 ohms (earphones).
1000 mv across 5000 to 100,000 ohms (recorder).
- f. Temperature range: -40°C to +40°C
- g. Warm-up time: 45 seconds
- h. Local Controls: Power - on/off switch
Output - Push button
- i. Remote Controls: (Not furnished) Power - on/off switch
Output - push button remote battery.

2. Physical

- a. Dimensions: Length 4-5/16"
Width: 2-1/4"
Height 1-1/32"
- b. Weight: 14 oz., including battery

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II Deliverable Items:

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A quantity of thirty (30) reference oscillators shall be fabricated. A revised parts list will be submitted to the customer including reproducible manufacturing drawings of any unusual parts, should the contractor deem it necessary to modify any of the GFE drawings.

III Testing

The fabricated units will be tested for stability (1 part in 10,000), output level (35 mv across 2000 ohms; 100 mv across 5000 to 100,000 ohms), and warm-up time over a temperature range of -40°C to +40°C.

IV Government Furnished Equipment:

- a. Three sets of drawings including schematics and mechanical specifications.
- b. Complete specifications of electronic parts.
- c. One (1) operating unit.

V Security Classification:

The equipment is UNCLASSIFIED, however, the association of the equipment with the contract and/or the contracting organization is classified SECRET.

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